

### **ABSTRACT OF THE DISCLOSURE**

Disclosed is a private network system with a ubiquitous service function and a method for operating the same. The private network system with a ubiquitous service function includes: at least one aware-device connected to one or more electronic appliances, in which the aware-device senses context information related to a user and an environment, and a service request command that is inputted into the aware-device; and a server which acquires service data corresponding to the context information related to the user and the environment and the service request command, which are transmitted from the aware-device, and transmits the acquired service data to the aware-device. In addition, the server transmits the operation control signals for controlling the operation of the electronic appliances connected to the aware-device to the aware-devices, whereby the electronic appliances connected to the aware-device output service data based on the operation control signal.